

PhD in Computer and System Engineering

Research Title: Machine Learning for Embedded Systems in Autonomous Cars

Funded by	Italdesign
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Contact	www.italdesign.it ; http://www.italdesign.it/project/popup/
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Context of the research activity	<p>Focus on: State of the art of machine learning and its use in the automotive field.</p> <p>The main concerns are the following:</p> <ul style="list-style-type: none">- Modelling and computational issues- Porting to an embedded platform- Costs and consumption <p>System-level aspects should not be neglected: it must be decided whether the PhD will tackle the problem at a system level or at a lower level, deepening in a single feature (e.g. path planning and decision making, or treatment of data coming from cameras and/or other sensors).</p> <p>Industrial collaboration with Italdesign Giugiaro S.p.A..</p>
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Objectives	<p>Comparison between different algorithms and solutions. Problems of porting to embedded platforms. Identification of a case study: planning/realization of an itinerary for autonomous driving.</p>
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